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ELASTOMERS
-NATURAL RUBBERS-

PA-57 RUBBER

DESCRIPTION:

PA-57 is a 40% oil-extended version of PA-80, being a lightly cross-linked natural rubber extended with a light colored non-staining oil.

RECOMMENDED USES:

Identical to those of PA-80, whenever the presence of oil is not disadvantageous. Provides desirable superior processing qualities in fabrication methods as extrusions, calendaring and open steam curing.

COMPOSITION:

PA-57 Rubber is produced by mixing 80 parts of precured latex and 20 parts uncured latex with 40 parts oil. Therefore, PA-57 contains 57% of crosslinked rubber; i.e., a 40% oil extended PA-80. PA-57 Rubber contains the following formulation:

PA-57 Rubber	140.00
MBT	0.32
Accelerator EZ	0.16
Sulfur	1.60
Zinc Oxide	1.20

COMPOUNDING:

When replacing PA-80 with PA-57 to obtain similar processing characteristics, use 1.4 parts of PA-57 for every part of PA-80. However, the customary use of PA-57 can be similar to PA-80; thus 21 parts of PA-57 are used with each 85 parts of crude or synthetic rubber. Greater percentages of PA-57 will yield greater special effects.

MIXING:

PA-57 is noted for its improved mixing characteristics versus PA-80. It can be added directly to most rubbers without premastication. Mixing can also be achieved on open mills or in internal mixers. The lower viscosity of PA-57 results in lower mixing temperatures than PA-80. However, a retarder, such as our Retarder AK, is recommended as an addition to protect against the possibility off additional crosslinking during mixing. The use of peptizing agents is not recommended since they tend to break the crosslinking present and thus reduce the beneficial properties of this rubber.

PACKAGE AND FORM:

PA-57 is a crumb form of rubber compressed into bales and packaged in a LDPE bale wrapper.

STORAGE:

Due to the nature of PA-57 to increase in viscosity during bin storage, it is recommended that PA-57 be stored under cool / dry conditions if a “cold room” is not available.

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